

Patent Claims

What is claimed is:

1. A decorative blown glass produced from basic thin-walled transparent glass decorated by a glass body or a slice of millefiori glass of a given design and a color or saturation different from said basic thin-walled transparent glass, said blown glass comprising:

a blown body or slice from differently colored or saturated millefiori glass of a given design being enlarged at least two times while generally maintaining its proportionality and being sealed inside said basic transparent glass.

2. A decorative blown glass according to claim 1, wherein said design being enlarged at least five to thirty times.

3. A decorative blown glass according to claim 1, wherein said basis transparent glass has a thickness of about 0.5 to 3 mm.

4. A decorative blown glass according to claim 1, wherein said decorative blown glass is beverage glass.

5. A decorative blown glass according to claim 1, wherein said transparent glass is crystal.

6. A method of production of the decorative blown glass, said blown glass being decorated by a glass decorative body or slice of millefiori glass of a given design of a color or saturation different from basic transparent glass, during which millefiori glass, preheated in advance, is attached to a hot glass bottle made from the basic transparent glass, following which the bottle with the millefiori is heated, rolled and shaped by blowing, thereby defining a blank bottle, the blank bottle with the millefiori is overlaid by a further layer of basic transparent glass, once again the bottle is heated up, rolled and blown to a desired final shape manually or in a form and then cooled down, said method comprising:

heating the decorative glass body or slice of millefiori glass with a given design in advance so that during its attachment to the hot glass bottle made of basic transparent glass, a viscosity of its contact surface is in a range of about 10^4 to 10^9 Pas;

after being attached, the millefiori with the bottle is shaped by heating, rolling and blowing while concurrently enlarging the millefiori design while maintaining the proportionality of its design; and

interstratifying the blank of the glass bottle with the millefiori obtained by the basic glass being heated, rolled and blown to a final shape and into the millefiori design, sealed inside the basic transparent glass, and enlarged at least two times while maintaining the proportionality of its design.

7. A method according to claim 6, wherein said design being enlarged at least five to thirty times.

8. A method according to claim 6, wherein said basis transparent glass has a thickness of about 0.5 to 3 mm in the area of the sealed millefiori.

9. A method according to claim 6, wherein said decorative blown glass is beverage glass.

10. A method according to claim 6, wherein said transparent glass is crystal.

11. A method according to claim 6, wherein the desired viscosity of the basic transparent glass of the bottle before attaching the millefiori is determined by measuring the temperature with a radiation pyrometer in the spectrum of infrared waves longer than 5 μm .